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Tests of Steel for Naval Designing
Office at Blankenburg

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The following testing was carried on at the Schumann Co. in Leipzig.

A test stand was constructed on which the stability of materials against "T-Stoff" (rocket fuel) is to be established. V-4 A and V-2 A steel are to be tested. Dipl. Ing. Tetzko is in charge of the tests. He at one time did the same kind of work at the Walter plant in Kiel, where he worked with Dr. Statesny, who was then in charge. This man is the actual specialist and knows the Walter-system best. At first he was in favor of a transfer to Russia but changed his mind in the meantime.

2. Of the former Walter specialists there is in Blankenburg also Dipl. Ing. Henzen whose theoretical knowledge equals Statesny's but who does not have Tetzko's practical experience.

The Firm C. H. Jaeger & Co., Leipzig delivered a pump for the test stand which, however, was only tested with water; therefore, no positive results are as yet known in connection with the "T-Stoff". The following data were obtained:

Type of pump: Centrifugal pump, Jaeger system
Number of revolutions: 12000/min
Pressure: 40 atp
Outputs: 200 l/min for T-Stoff
200 l/min for condensate
150 l/min for fuel
200 l/min for sea-water

A turbine with a capacity of 3,500 HP will be put to use. This turbine was constructed by Bruckner, Kanis & Co. for the High Command of the German Navy but the end of the war prevented full usage. The turbine was dismantled and mounted at the Schumann plant.

3. The German Navy did not use centrifugal pumps as they do not guarantee the necessary accuracy. Instead, "Spindelpumpen" of the firm Leistritz, Burenberg, were used. At the moment, dosing is done by hand only, which, however, prevents an accurate measuring of the ratio of mixtures.

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